

0280

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OIIPE



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/765,034

DATE: 02/02/2001
TIME: 11:38:03

Input Set : A:\CN01084 sequence listing.txt
Output Set: N:\CRF3\02022001\I765034.raw

ENTERED

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3 <110> APPLICANT: Hedrick, Joseph A.
4   Lachowicz, Jean E.
5   Wang, Wei
6   Gustafson, Eric L.
8 <120> TITLE OF INVENTION: Adenosine Receptor
10 <130> FILE REFERENCE: CN01084
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/765,034
C--> 13 <141> CURRENT FILING DATE: 2001-01-17
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1338
21 <212> TYPE: DNA
22 <213> ORGANISM: homo sapiens
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25 <221> NAME/KEY: CDS
26 <222> LOCATION: (1)..(1005)
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30 Met Leu Gly Ile Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala
31 1 5 10 15
33 gca gag gct gcc ctg gaa aag tac tac ctt tcc att ttt tat ggg att 96
34 Ala Glu Ala Ala Leu Glu Lys Tyr Tyr Leu Ser Ile Phe Tyr Gly Ile
35 20 25 30
37 gag ttc gtt gtg gga gtc ctt gga aat acc att gtt gtt tac ggc tac 144
38 Glu Phe Val Val Gly Val Leu Gly Asn Thr Ile Val Val Tyr Gly Tyr
39 35 40 45
41 atc ttc tct ctg aag aac tgg aac agc agt aat att tat ctc ttt aac 192
42 Ile Phe Ser Leu Lys Asn Trp Asn Ser Ser Asn Ile Tyr Leu Phe Asn
43 50 55 60
45 ctc tct gtc tct gac tta gct ttt ctg tgc acc ctc ccc atg ctg ata 240
46 Leu Ser Val Ser Asp Leu Ala Phe Leu Cys Thr Leu Pro Met Leu Ile
47 65 70 75 80
49 agg agt tat gcc aat gga aac tgg ata tat gga gac gtg ctc tgc ata 288
50 Arg Ser Tyr Ala Asn Gly Asn Trp Ile Tyr Gly Asp Val Leu Cys Ile
51 85 90 95
53 agc aac cga tat gtg ctt cat gcc aac ctc tat acc agc att ctc ttt 336
54 Ser Asn Arg Tyr Val Leu His Ala Asn Leu Tyr Thr Ser Ile Leu Phe
55 100 105 110
57 ctc act ttt atc agc ata gat cga tac ttg ata att aag tat cct ttc 384
58 Leu Thr Phe Ile Ser Ile Asp Arg Tyr Leu Ile Ile Lys Tyr Pro Phe
59 115 120 125
61 cga gaa cac ctt ctg caa aag aaa gag ttt gct att tta atc tcc ttg 432
62 Arg Glu His Leu Leu Gln Lys Lys Glu Phe Ala Ile Leu Ile Ser Leu
63 130 135 140
65 gcc att tgg gtt tta gta acc tta gag tta cta ccc ata ctt ccc ctt 480
66 Ala Ile Trp Val Leu Val Thr Leu Glu Leu Leu Pro Ile Leu Pro Leu

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FEB 13 2001
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67 145          150          155          160
69 ata aat cct gtt ata act gac aat ggc acc acc tgt aat gat ttt gca 528
70 Ile Asn Pro Val Ile Thr Asp Asn Gly Thr Thr Cys Asn Asp Phe Ala
71          165          170          175
73 agt tct gga gac ccc aac tac aac ctc att tac agc atg tgt cta aca 576
74 Ser Ser Gly Asp Pro Asn Tyr Asn Leu Ile Tyr Ser Met Cys Leu Thr
75          180          185          190
77 ctg ttg ggg ttc ctt att cct ctt ttt gtg atg tgt ttc ttt tat tac 624
78 Leu Leu Gly Phe Leu Ile Pro Leu Phe Val Met Cys Phe Phe Tyr Tyr
79          195          200          205
81 aag att gct ctc ttc cta aag cag agg aat agg cag gtt gct act gct 672
82 Lys Ile Ala Leu Phe Leu Lys Gln Arg Asn Arg Gln Val Ala Thr Ala
83          210          215          220
85 ctg ccc ctt gaa aag cct ctc aac ttg gtc atc atg gca gtg gta atc 720
86 Leu Pro Leu Glu Lys Pro Leu Asn Leu Val Ile Met Ala Val Val Ile
87 225          230          235          240
89 ttc tct gtg cct ttt aca ccc tat cac gtc atg cgg aat gtg agy atc 768
90 Phe Ser Val Pro Phe Thr Pro Tyr His Val Met Arg Asn Val Arg Ile
91          245          250          255
93 gct tca cgc ctg ggg agt tgg aag cag tat cag tgc act cag gtc gtc 816
94 Ala Ser Arg Leu Gly Ser Trp Lys Gln Tyr Gln Cys Thr Gln Val Val
95          260          265          270
97 atc aac tcc ttt tac att gtg aca cgg cct ttg gcc ttt ctg aac agt 864
98 Ile Asn Ser Phe Tyr Ile Val Thr Arg Pro Leu Ala Phe Leu Asn Ser
99          275          280          285
101 gtc atc aac cct gtc ttc tat ttt ctt ttg gga gat cac ttc agg gac 912
102 Val Ile Asn Pro Val Phe Tyr Phe Leu Leu Gly Asp His Phe Arg Asp
103          290          295          300
105 atg ctg atg aat caa ctg aga cac aac ttc aaa tcc ctt aca tcc ttt 960
106 Met Leu Met Asn Gln Leu Arg His Asn Phe Lys Ser Leu Thr Ser Phe
107 305          310          315          320
109 agc aga tgg gct cat gaa ctc cta ctt tca ttc aga gaa aag tga 1005
110 Ser Arg Trp Ala His Glu Leu Leu Leu Ser Phe Arg Glu Lys
W--> 111          325          330          335
113 ggggcttctg aaacagattg ttctacagat gaatctgtaa gccagttaca gtttgcctta 1065
115 actcatagac atcaatcaga gattgtcaca gatttaacct tgatctaaag acaagttgta 1125
117 cccagagtat gtgaaaagaa tgggacgaca agaattgtact ggtttcttcc tctaagaatt 1185
119 gaaaggagtt gaactgcctt atgtttgggc atgttaactcc aaaatactag gtagtataag 1245
121 gctttctcaa tcagtgcaaa aatggaagat atataaagca acaagttgtc tgcatttgat 1305
123 cactggtcag attgtaaaaa aaaaaaaaaa aaa 1338
126 <210> SEQ ID NO: 2
127 <211> LENGTH: 334
128 <212> TYPE: PRT
129 <213> ORGANISM: homo sapiens
131 <400> SEQUENCE: 2
132 Met Leu Gly Ile Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala
133 1 5 10 15
135 Ala Glu Ala Ala Leu Glu Lys Tyr Tyr Leu Ser Ile Phe Tyr Gly Ile
136 20 25 30

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RAW SEQUENCE LISTING DATE: 02/02/2001
 PATENT APPLICATION: US/09/765,034 TIME: 11:38:04

Input Set : A:\CN01084 sequence listing.txt
 Output Set: N:\CRF3\02022001\I765034.raw

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138 Glu Phe Val Val Gly Val Leu Gly Asn Thr Ile Val Val Tyr Gly Tyr
139           35           40           45
141 Ile Phe Ser Leu Lys Asn Trp Asn Ser Ser Asn Ile Tyr Leu Phe Asn
142           50           55           60
144 Leu Ser Val Ser Asp Leu Ala Phe Leu Cys Thr Leu Pro Met Leu Ile
145           65           70           75           80
147 Arg Ser Tyr Ala Asn Gly Asn Trp Ile Tyr Gly Asp Val Leu Cys Ile
148           85           90           95
150 Ser Asn Arg Tyr Val Leu His Ala Asn Leu Tyr Thr Ser Ile Leu Phe
151           100          105          110
153 Leu Thr Phe Ile Ser Ile Asp Arg Tyr Leu Ile Ile Lys Tyr Pro Phe
154           115          120          125
156 Arg Glu His Leu Leu Gln Lys Lys Glu Phe Ala Ile Leu Ile Ser Leu
157           130          135          140
159 Ala Ile Trp Val Leu Val Thr Leu Glu Leu Leu Pro Ile Leu Pro Leu
160           145          150          155          160
162 Ile Asn Pro Val Ile Thr Asp Asn Gly Thr Thr Cys Asn Asp Phe Ala
163           165          170          175
165 Ser Ser Gly Asp Pro Asn Tyr Asn Leu Ile Tyr Ser Met Cys Leu Thr
166           180          185          190
168 Leu Leu Gly Phe Leu Ile Pro Leu Phe Val Met Cys Phe Phe Tyr Tyr
169           195          200          205
171 Lys Ile Ala Leu Phe Leu Lys Gln Arg Asn Arg Gln Val Ala Thr Ala
172           210          215          220
174 Leu Pro Leu Glu Lys Pro Leu Asn Leu Val Ile Met Ala Val Val Ile
175           225          230          235          240
177 Phe Ser Val Pro Phe Thr Pro Tyr His Val Met Arg Asn Val Arg Ile
178           245          250          255
180 Ala Ser Arg Leu Gly Ser Trp Lys Gln Tyr Gln Cys Thr Gln Val Val
181           260          265          270
183 Ile Asn Ser Phe Tyr Ile Val Thr Arg Pro Leu Ala Phe Leu Asn Ser
184           275          280          285
186 Val Ile Asn Pro Val Phe Tyr Phe Leu Leu Gly Asp His Phe Arg Asp
187           290          295          300
189 Met Leu Met Asn Gln Leu Arg His Asn Phe Lys Ser Leu Thr Ser Phe
190           305          310          315          320
192 Ser Arg Trp Ala His Glu Leu Leu Leu Ser Phe Arg Glu Lys
193           325          330
197 <210> SEQ ID NO: 3
198 <211> LENGTH: 37
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: sense PCR
204     primer
206 <400> SEQUENCE: 3
207 cggaattcat gctggggatc atggcatgga atgcaac
210 <210> SEQ ID NO: 4
211 <211> LENGTH: 38

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RAW SEQUENCE LISTING DATE: 02/02/2001
PATENT APPLICATION: US/09/765,034 TIME: 11:38:04

Input Set : A:\CN01084 sequence listing.txt
Output Set: N:\CRF3\02022001\I765034.raw

212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
217 primer
219 <400> SEQUENCE: 4
220 tatgcggccg cccaccacac tggactagtg gatacctca 38

VERIFICATION SUMMARY DATE: 02/02/2001
PATENT APPLICATION: US/09/765,034 TIME: 11:38:05

Input Set : A:\CN01084 sequence listing.txt
Output Set: N:\CRF3\02022001\I765034.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:111 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1